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DEC 15 2006

Final Report
Targeted Runoff Management Grant Program and Urban Nonpoint
Source and Storm Water Management Grant Program
Form 3400-189 (R 11/05)

BUREAU OF WATERSHED MGMT.

Notice: This final report is authorized by chs. NR 115 and NR 165, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.]

Instructions: The grant agreement requires grantees to submit a Final Report 60 days after the end date listed in the grant agreement. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR.

1. Grant Type

- Agricultural - Targeted Runoff Management Grant
- Urban - Targeted Runoff Management Grant
- Construction - Urban Nonpoint Source & Storm Water Management Grant
- Planning - Urban Nonpoint Source & Storm Water Management Grant

2. Grantee & Project Information

| | |
|---|---|
| Project Name | Grant Number |
| Municipal Storm Water Development Projects | USP - LC18-09211 - 04 |
| Governmental Unit Name | Governmental Unit Type (city, village, town, etc.) |
| City of Chippewa Falls | City |
| Watershed Name | Watershed Code |
| Duncan Creek | LC 18 |
| DNR Water Management Unit (River System) Name | Water Body Identification Code (WBIC) (if applicable) |
| Duncan Creek & Chippewa River | 2150800 |

s. 303(d) Waterbody? Yes No

What pollutant(s) were addressed by the project?

Total Suspended Solids (TSS)

For each project site location provide the following: (attach additional sheets if necessary)

| Location: | | A | B | C | D | E |
|--|-----------------|--|---|---|---|---|
| Minor Civil Division Name | | City of Chippewa Falls | | | | |
| PLSS | Town | 28 | | | | |
| | Range | 8 | | | | |
| | Section | 6 | | | | |
| | Quarter | | | | | |
| | Quarter-Quarter | | | | | |
| Latitude | | 91°23'19"W | | | | |
| Longitude | | 44°56'6.5"N | | | | |
| Property Owner(s) | Name | City of Chippewa Falls | | | | |
| | Mailing address | 30 W. Central Street Chippewa Falls | | | | |
| Site address <i>(if different than mailing address)</i> | | | | | | |

B. Project Results Narrative

See Attached

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

| Notice Type | Issue Date | Notice Information | | Notice Satisfaction Information | | |
|-------------|------------|--------------------|-----------|---------------------------------|--------------------------|------------------|
| | | From (Name) | To (Name) | Satisfied? | | Date Letter Sent |
| | | | | Yes | No | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | |

5. Summary of Project Challenges

This project was well executed and only faced some minor challenges. The SLAMM modelling software was newly introduced and learning how to operate and utilize the model was somewhat difficult and time consuming. The model usage is what spurred the City of Chippewa Falls to ask for a time extension for the grant to provide more time to help calibrate and check the model.

6. Additional Information about the Project (optional)

7. Planning Product (UNPS&SW - Planning Projects only)

Check here if a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

| | | |
|---|---------------------------------|--|
| Name of Document Storm Water Management Plan | Date(s) effective April 2006 | Date Submitted to NPS Coordinator June 2006 |
|---|---------------------------------|--|

8. Grantee Certification:

Check here to certify that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

Richard Rubenzer, PE, Director of Public Works, City Engineer

Signature of Authorized Representative

Richard J. Rubenzer

Date

December 7, 2006

B. Project Results Narrative

1. Hydrological and Pollutant Loading Modeling

In an effort to comply with the City of Chippewa Falls WPDES permit and as part of this grant, a model was created utilizing SLAMM software by S.E.H. Inc. to determine the base line loading, and loading with installed controls of Total Suspended Solids of the City of Chippewa Falls MS4 system. This model will be further used as a benchmark to determine compliance as removal requirement deadlines approach and modifications to the MS4 system are completed. The initial results of the completed model indicate the Chippewa Falls MS4 system is removing approximately 32% of TSS in comparison to the "no control" model. Further investigation and calibrating will be required in portions of the model to accurately reflect the current system that is in place. It appears the system will actually approach the 38-40% removal level as further calibrating and adding of controls is completed. The 32% removal rate already meets removal requirements of 20% that will be due in 2008 as per the City of Chippewa WPDES permit. The SLAMM model results have been included with this report for review.

2. Storm Water Management Plan

In addition to modeling the City of Chippewa Falls MS4 system, preparation of a comprehensive Storm Water Management Plan was included as a deliverable requirement of this grant. A Storm Water Management Plan was prepared utilizing goals and requirements set forth in the City's WPDES permit. A copy of the completed plan has been included in this submittal for review.